

US EPA ARCHIVE DOCUMENT

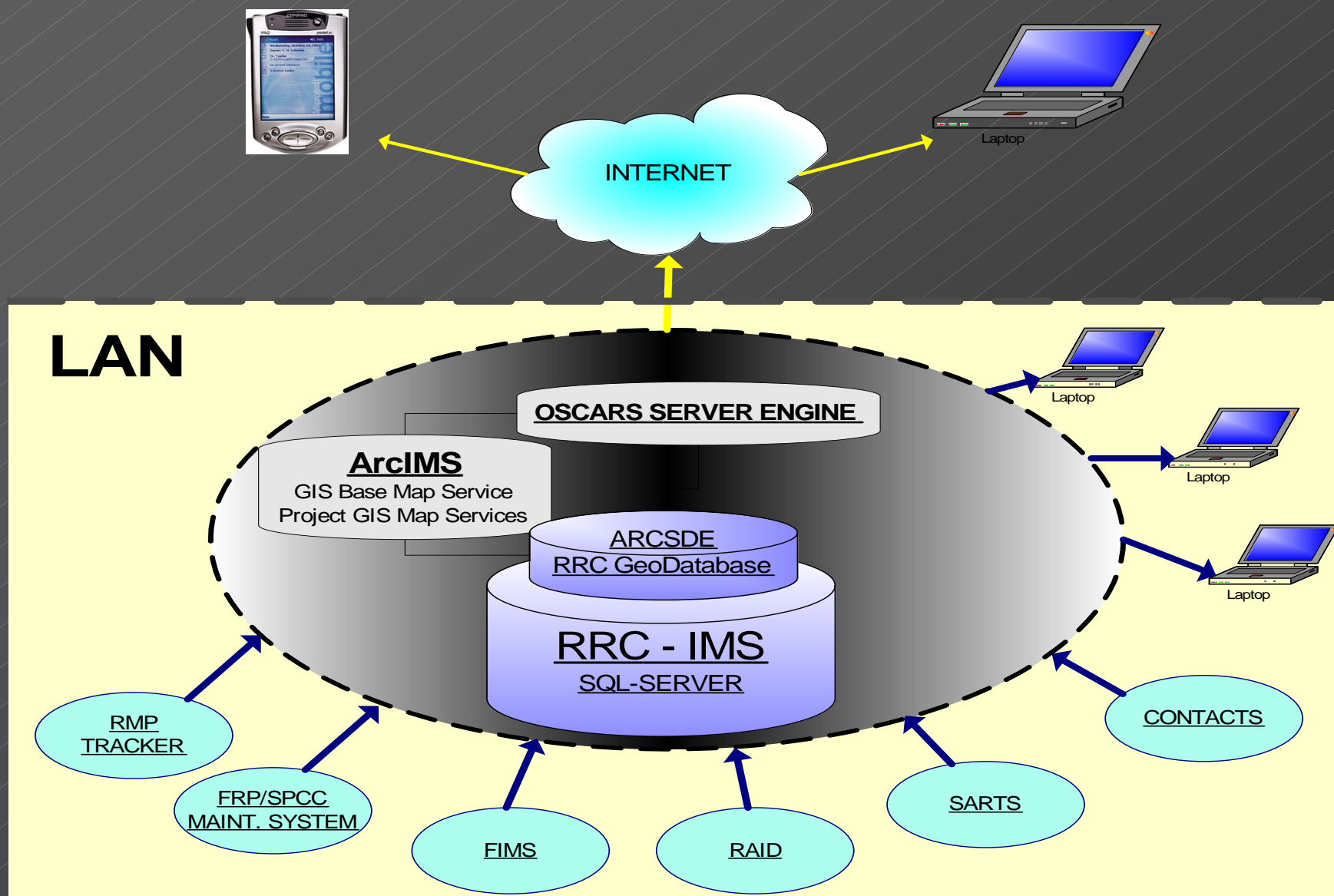
# Field Force Automation

Data Management Methodologies and  
Systems for Field Data Collection and  
Reporting

## Region 6 Data Management

- Data is key component to all EPA operations.
- Historically, Data was often taken in log books, or in electronic formats that are incompatible or not designed for easy reporting/analysis.
- Goal is to incorporate into routine day to day operations data management standards to insure data quality and availability.
- Methodology for collecting data in a way that EPA/Contractors are able to access/analyze the data near real time (Emergencies, Reports, Day to Day Ops)
- The answer “Regional Response Center Enterprise Data Management System” or RRC EDMS.

# Overall RRC-EDMS: Architecture





# Region 6 Web Hub

- Web hub provides one access point for all applications to EPA and START personnel.
- One username and password for access to each application

## Web Hub

### Websites

- [Contact Management System](#)
- [EPA Exercise Registration](#)
- [FRP SPCC Tracking](#)
- [Lake Oologah](#)
- [EPA WEB HUB](#)
- [OSCARS](#)
- [SARTS](#)
- [Remote Monitoring](#)

# Region 6 Site Owner Administration

- Site Owners have ability to administer accounts through easy to use intuitive interface.

**SARTS - Update User - Microsoft Internet Explorer**

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print W

Links Southwest Airlines Bugzilla Main Page Address http://start6.westonproject.net/SARTS/user/userupdate.asp?username=bradmorgan Go

**General**

[Choose Working Site](#)

[Website Information](#)

[Main Menu](#)

[View Map](#)

[Calendar](#)

[Web Hub](#)

**Update**

[Spill Pathways](#)

[Spills](#)

[Social/Environmental](#)

[Photos](#)

[Site Operators](#)

[Site Info](#)

[Calendar](#)

[Site Activity](#)

[Action Tracking Log](#)

**Users**

[Manage Users](#)

[Change Password](#)

**Utility**

[View Logs](#)

[Add Site](#)

**View**

[Spill Sources](#)

[Spill Pathways](#)

[Spills](#)

**Edit User**

**User Info**

UserName: bradmorgan

Agency: WESTON

Email: morganb@mail.rfweston.com

Enabled: Yes

Counties: User has access to 503 counties. [Change County Permissions](#)

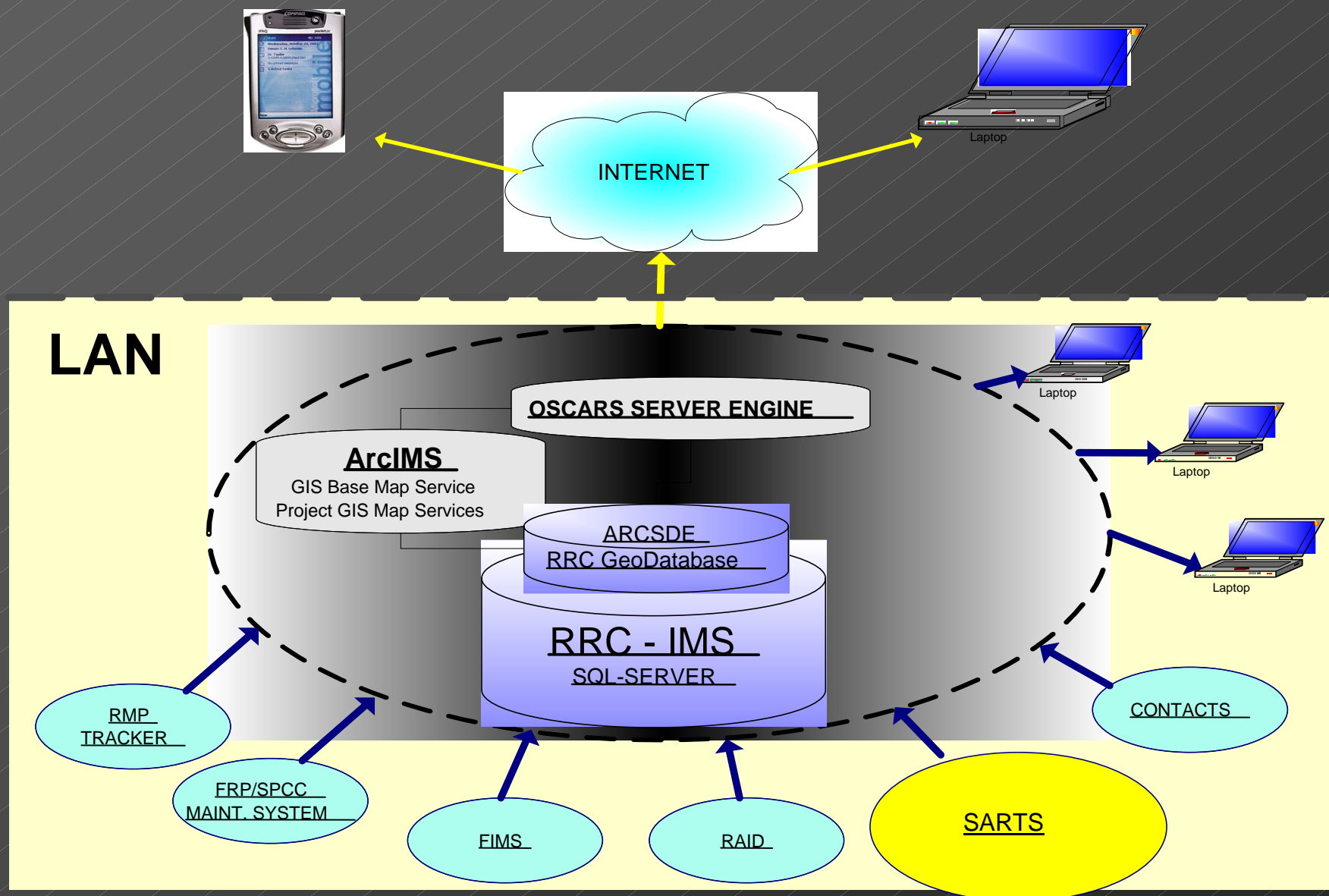
Password: [Reset Password](#)

**User Permissions**

Operation	Allowed
General - Calendar	<input checked="" type="checkbox"/>
General - Choose Working Site	<input checked="" type="checkbox"/>
General - Main Menu	<input checked="" type="checkbox"/>
General - View Map	<input checked="" type="checkbox"/>
General - Web Hub	<input checked="" type="checkbox"/>
General - Website Information	<input checked="" type="checkbox"/>
Update - Action Tracking Log	<input checked="" type="checkbox"/>
Update - Calendar	<input checked="" type="checkbox"/>
Update - Photos	<input checked="" type="checkbox"/>
Update - Site Activity	<input checked="" type="checkbox"/>

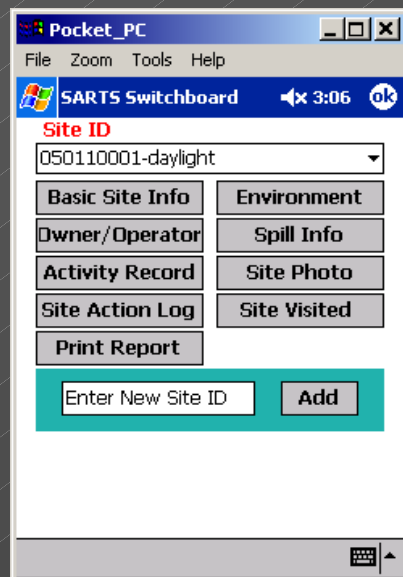
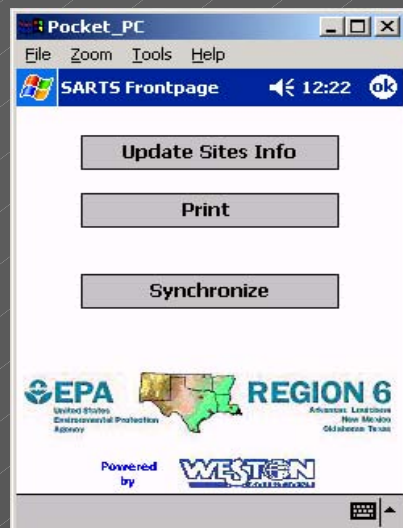
Done Internet

# SARTS

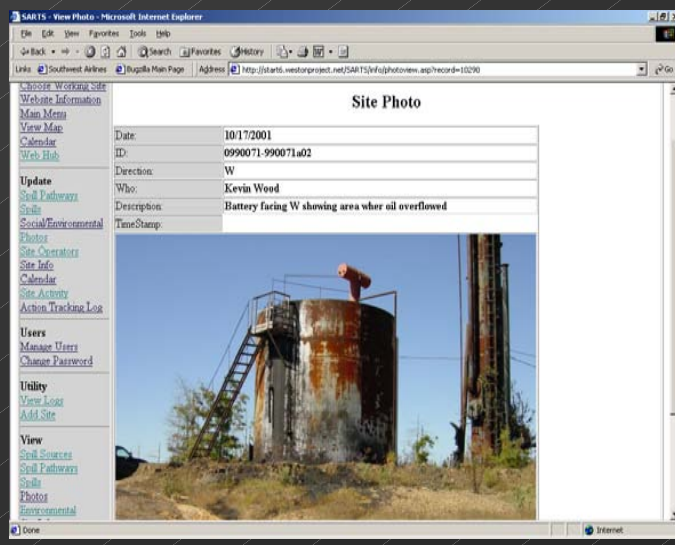
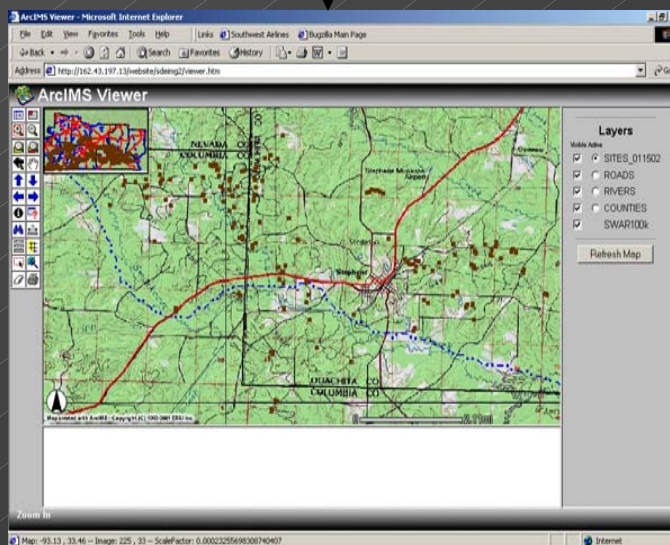


# SARTS – OPA Recon Application

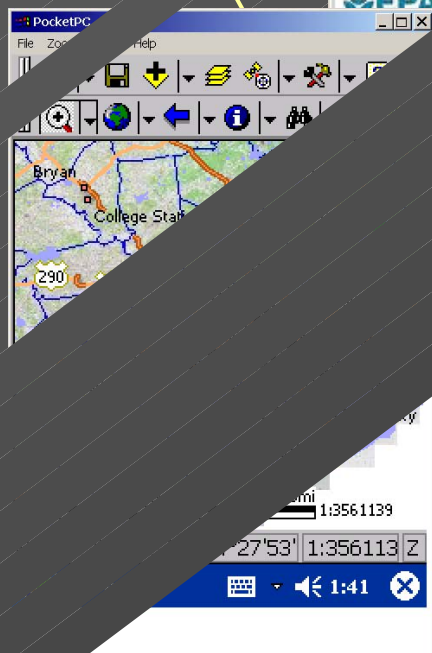
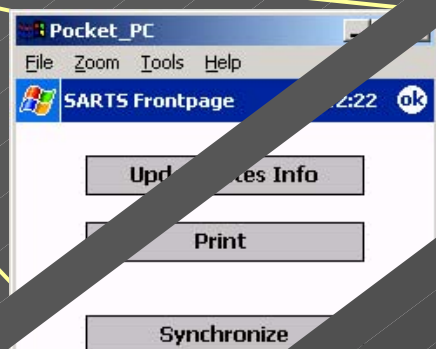
## Mobile Applications



## Secure Web Applications



# SARTS – PDA Application



Mobile GIS

Site ID: 050990024

FPN#: NA

DCN#: NA

Recommended Action:

RCRA ☐ Removal ☐

SUFWS ☐ Spill Response ☐

Compliance Inspection ☐

Address, etc. Foot Notes

Site ID: 050990024

Spill Condition: 1-Present/Historical

Spill Volume: 23-Minor

Spill Oil: 16-Asphaltic/Live

Spill Water: 25-SaltWater

Spill Debris: 13-None

Media Affected Water: 11-Yes

Media Affected Soil: 10-Asphatic

Spill Impacted: 8-Yes

Spill Potential: 18-High

Cancel >> Spill Source Spill Way

M

Applications



# SARTS – Secure Web Site

SARTS - General Site Information - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print

Links Southwest Airlines Bugzilla Main Page Address http://start6.westonproject.net/SARTS/info/general.asp

## Site Assessment Reconnaissance Tracking System

### Site Information

General Information

View Map

Site ID: 050990071	Site Name: Nevada LLC Irma Nacatoch Saw D Unit		
FFN No: NA	TDD No: NA	NERC No: NA	DCN No: NA
ADEQ SWD Permit No: NA	ADEQ SWD CCMN No: NA	OnG Comm No: NA	

Site Status: Active

Action Recommended:

- Compliance Inspection: Yes
- Spill Response: No
- USEFS: Yes
- RCRA: No
- Removal: No

Legal Description

Legal Description	State: AR	County/Parish: NEVADA
Section: NA	Township: NA	Range: NA
Latitude: 33.54608	Longitude: 93.21904	

Facility

Facility Address: NA

City: NA

Zip: NA

Done Internet

SARTS - Calendar - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print

Links Southwest Airlines Bugzilla Main Page Address http://start6.westonproject.net/SARTS/info/calendar.asp

## Site Assessment Reconnaissance Tracking System

<< Previous Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Next Month >>

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
	08:00 AM • Site Goode A • Event Info	08:00 AM • Site Saxon • Event Info	08:00 AM • Site Gregory 4,5,6 • Event Info	08:00 AM • Final SPOC recon on sites 051390545, 547, 546 & 142 D. Sharp • Event Info	09:00 AM • Site Irma Nacatoch Sand Unit • Event Info	
18	19	20	21	22	23	24
25	26	27	28	29	30	31

<< Previous Month 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Next Month >>

Jump to Month: Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb

http://start6.westonproject.net/SARTS/info/general.asp?siteID=050990070

Done Internet

SARTS - View Photo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print

Links Southwest Airlines Bugzilla Main Page Address http://start6.westonproject.net/SARTS/info/photoview.asp?record=10290

## Site Photo

Date: 10/17/2001


ID: 0990071-990071a02

Direction: W

Who: Kevin Wood

Description: Battery facing W showing area where oil overflowed

TimeStamp:



Done Internet

SARTS - Update User - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print

Links Southwest Airlines Bugzilla Main Page Address http://start6.westonproject.net/SARTS/user/userupdate.asp?username=bradmorgan

## Edit User

### User Info

UserName: bradmorgan

Agency: WESTON

Email: morgben@mail.rweston.com

Enabled: Yes

Countries: User has access to 503 countries. Change County Permissions

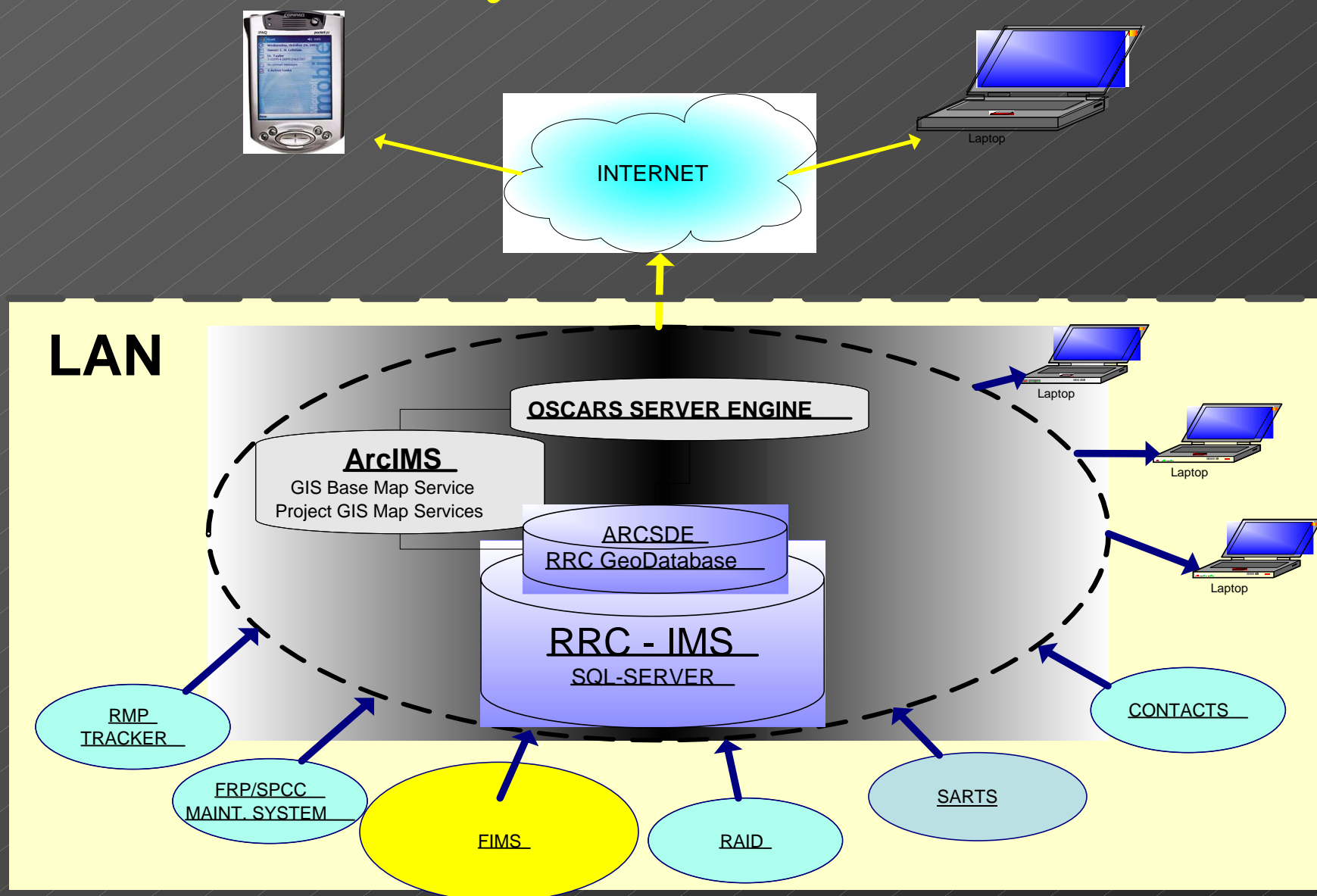
Password: Reset Password

### User Permissions

Operation	Allowed
General - Calendar	<input checked="" type="checkbox"/>
General - Choose Working Site	<input checked="" type="checkbox"/>
General - Main Menu	<input checked="" type="checkbox"/>
General - View Map	<input checked="" type="checkbox"/>
General - Web Hub	<input checked="" type="checkbox"/>
General - Website Information	<input checked="" type="checkbox"/>
Update - Action Tracking Log	<input checked="" type="checkbox"/>
Update - Calendar	<input checked="" type="checkbox"/>
Update - Photos	<input checked="" type="checkbox"/>
Update - Site Activity	<input checked="" type="checkbox"/>

Done Internet

# Facility Information Management System - FIMS



# EPA/OSC Personalized Secure Web Interface

The screenshot displays the EPA/OSC Personalized Secure Web Interface, specifically the Facility Response Plan Maintenance Dashboard. The interface is divided into several sections:

- Header:** Features the EPA logo, the title "Facility Response Plan Maintenance Dashboard", and a "Home" link.
- Left Navigation Menu:** Includes links for "Log Out", "Staging Area", "FRPs:" (with "New" and "Modify" sub-links), "Facilities:" (with "Browse" and "Modify" sub-links), "Utilities:" (with "Manage Users", "Recent Actions", and "Document Library" sub-links), and "Help".
- Main Content Area:**
  - Welcome, Cory Robertson!**
  - Facility Response Plans:** A table with two columns: "Production Site" and "Staging Area", each with a count of "6".
  - Plans in review:** A section with sub-items: "Need to be published:" and "Need to be modified:".
  - Update...** button.
- Footer:** Contains navigation links for "Facilities:", "FRPs:", "Utilities:", and "General:", each with sub-links for "Browse", "New", "Modify", "Manage Users", "Recent Actions", "Document Library", "Home", "Log Out", "Staging Area", and "Help".
- Legal Notice:** A section at the bottom stating "Legal Notice: This is where the legal disclaimers need to go."



# FRP - Integrated User Management

**EPA Facility Response Plan Maintenance Dashboard**

Welcome, Cory Robertson!

**Facility Response Plans:**

Production Site	#
FRPs on the site:	6
Staging Area	#
Plans in review:	0
Need to be published:	0
Need to be modified:	0

**Your Notes:**

This is a scratch-pad that you can use for yourself reminders

**Manage/Add Users**

**Manage A User:**

User Type:  
☐ Regulator  
☐ Facility (choose facility...)

Name:

Email:

UserName:

Password:

(please re-enter your password)

Password:

**Modify A User:**

Name:

Email:

UserName:

Password:

(please re-enter your password)

Password:

**User List(click to modify):**

Name	Username	Role	Email
<a href="#">Joe Facility</a>	joefacility@abc.com	1	joefacility@abc.com
<a href="#">klj</a>	lkjhkljh	1	lkjhkljh
<a href="#">Curtis Vaughn</a>	cvaughn@usa.net	1	cvaughn@usa.net
<a href="#">Don Smith</a>	don.smith@epa.gov	1	don.smith@epa.gov
<a href="#">Joe Tester</a>	joe@abc.com	1	joe@abc.com
<a href="#">John Q. Facility</a>	John@abc.com	1	John@abc.com
<a href="#">Cory Robertson</a>	robertsc	4	cory.robertson@westonsolutions.com

|< << >> >| 1 / 1

**Facilities:** [Browse](#) | [Modify](#)

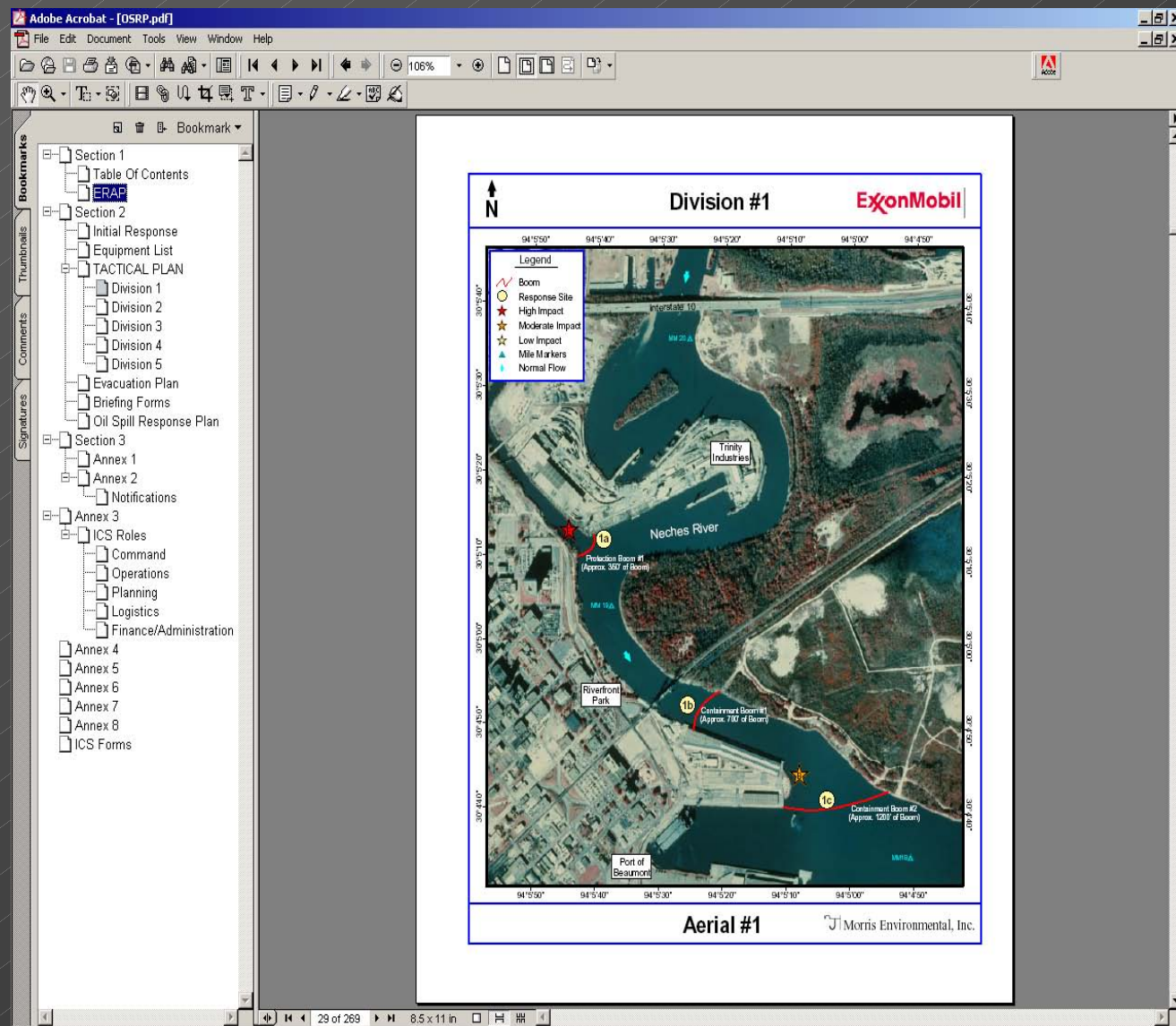
**FRPs:** [New](#) | [Modify](#)

**Utilities:** [Manage Users](#) | [Recent Actions](#) | [Document Library](#)

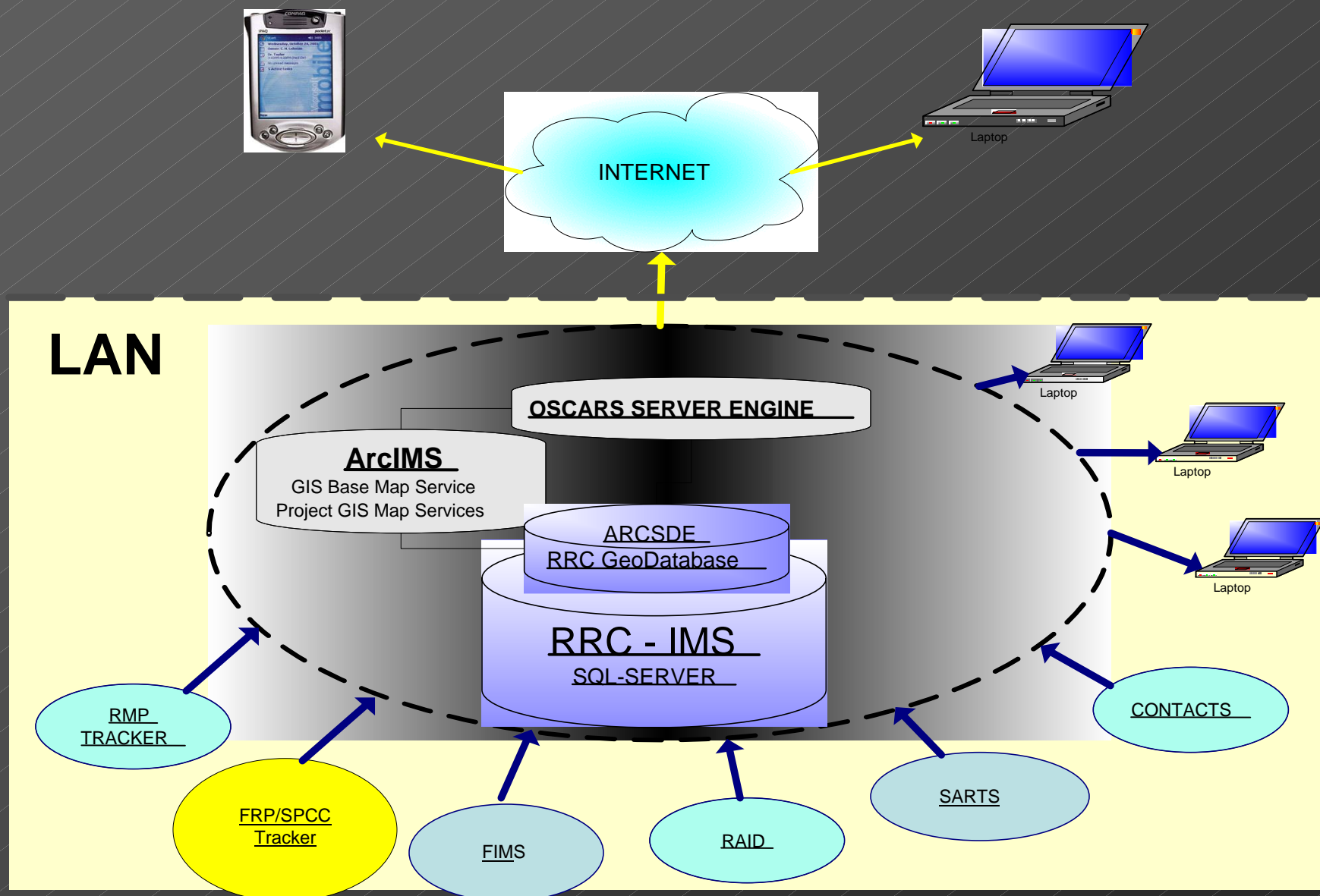
**General:** [Home](#) | [Log Out](#) | [Staging Area](#) | [Help](#)

# FRP – Uploaded Plan

- FRP's are one Click away
- FRP's can be Bit Served so User only downloads section of interest
- Immediate Access to ERAP, Facility Diagrams, and other important Data.



# FRP/SPCC Tracking System



# FRP/SPCC Inspection Tracking System

The screenshot displays the FRP/SPCC Inspection Tracking System software interface, consisting of several overlapping windows:

- Facility Inspection** (Top Left): A list of facilities. The entry "ABILENE AG SERVICE AND SUPPLY, INC." is highlighted. Below the list is an "Open Inspection" button.
- SPCC FRP Facility** (Middle Left): A form for entering facility details. Fields include:
  - SPCC Case No. (text box)
  - FRP Case No. (text box)
  - Company ID (dropdown menu)
  - Facility ID (dropdown menu, currently set to 10)
  - Inspector Name (text box)
  - Inspection Date (text box)Buttons for "Review" are next to the Company ID and Facility ID fields. A "Synopsis" section is partially visible at the bottom.
- SPCC General Information** (Top Right): A form for general information. It includes a section for "Applicable Storage Containers" with checkboxes for:
  - Above Ground Storage Tank
  - Under Ground Storage Tank
  - Drums
  - In-plant Piping
  - Mobile Storage Tank
  - Surface Impoundments
  - Lagoons
  - EquipmentBelow this is a section for "Other Containers" with a text box. A "Storage Function" section has checkboxes for "Transferring" and "Distributing". The "Inspection View" button is at the bottom.
- SPCC - Bulk Storage Information** (Bottom Right): A form for bulk storage information. It includes a section titled "Check all applicable descriptions" with checkboxes for:
  - Refinery/Petrochemical
  - Petroleum Distributor
  - Trucking/Transport
  - Contractor
  - Railroad
  - Farm
  - Trustee/Native American
  - Commercial/Private
  - Gas Station/Convenience
  - Auto Dealership
  - Consumer
  - UtilitiesThe "Inspection View" button is at the bottom.



# GIS PDA Applications

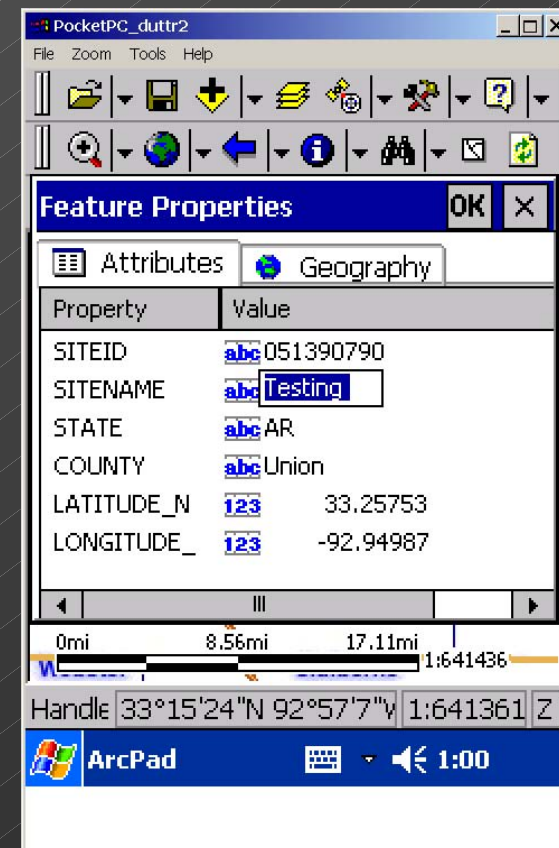
## ArcPAD PDA GIS Routing Capability



## ArcPAD PDA Streets with Topographic Data



## Disconnected Editing of GIS Layers

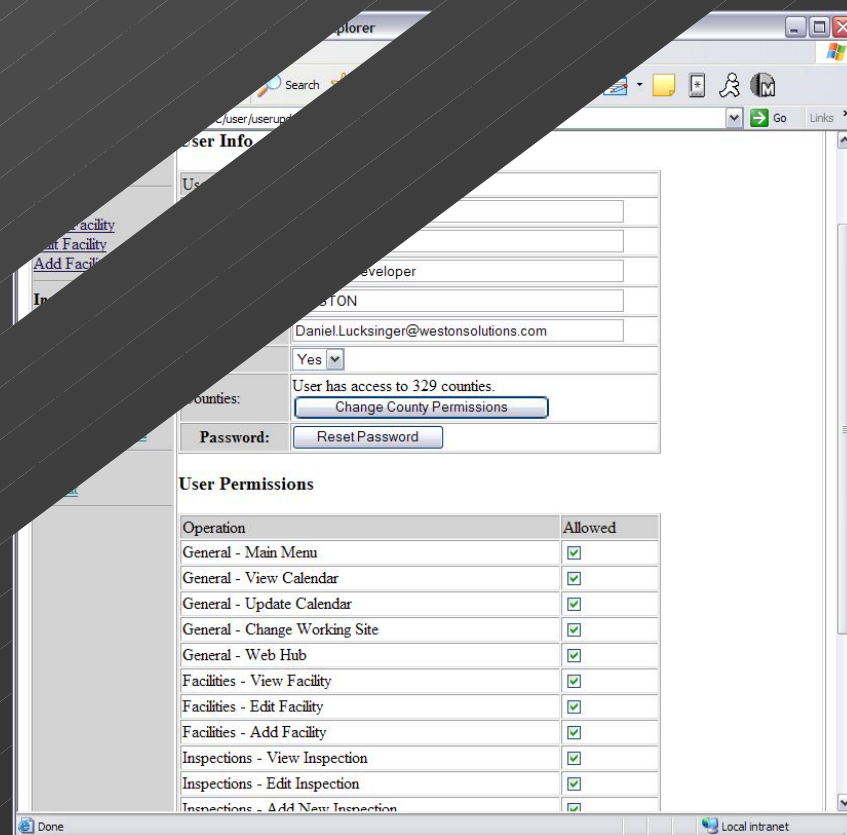
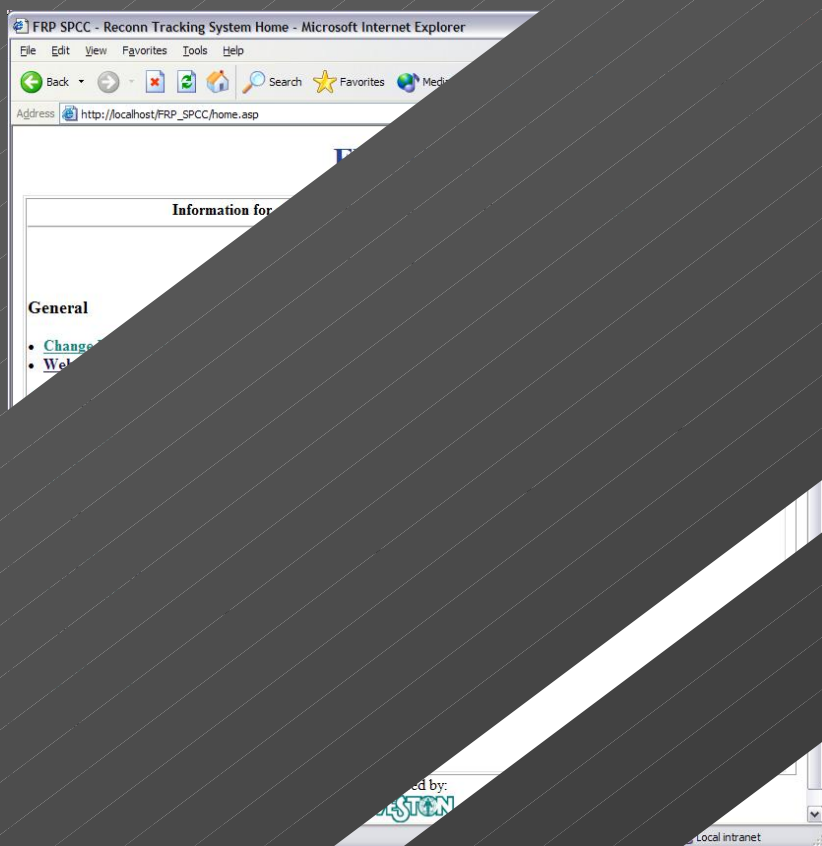


# FRP/SPCC Inspection

(c)

## Role-Based Menu Or

Ma



# FRP/SPCC Inspection Tracking System

- Inspection checklist matches FIMS Review Checklist and PDA Application
- Reviewers can click a section and in automatically will take them to that portion of FRP.

FRP SPCC - INSPECTIONS AND RECORDS 112.7(e) - Microsoft Internet Explorer

Address: [http://localhost/FRP\\_SPCC/update/inspectionupdate\\_questions.asp?record=1&question\\_topic=6](http://localhost/FRP_SPCC/update/inspectionupdate_questions.asp?record=1&question_topic=6)

Information for site: 6 | A & A TANK TRUCK SERVICE | [Change Site](#)

## INSPECTIONS AND RECORDS 112.7(e)

Form Navigation	
<a href="#">Edit Main Info</a>	<a href="#">Edit SPCC Info</a>
Answer	
Questions: Select a Category of Questions	

INSPECTIONS AND RECORDS 112.7(e)	Adequately Addressed in Plan	Adequately Addressed in Field
Are inspections required by 40 CFR 112 conducted in accordance with written procedures developed for the facility?	Unknown	Unknown
Are written procedures, records of inspections and/or customary business records: - Signed by the appropriate supervisor or inspector?	Unknown	N/A
Are written procedures, records of inspections and/or customary business records: - Made part of the SPCC Plan?	Yes	Unknown
Are written procedures, records of inspections and/or customary business records: - Maintained for a period of three (3) years?	Unknown	Unknown

General Notes / Comments:

Powered by: **WESTON**

Local intranet



INSPECTION MENU <a href="#">View Inspections</a> <a href="#">Add New Inspection</a>	<b>Acknowledgement and Record of SPCC Inspection and Plan Review</b> <i>Bulk Storage Facilities</i>			
	Facility Info		Facility Info (Continued)	SPCC Plan
	Topics		Save	
CONTAINER MENU <a href="#">Add New Container</a> <a href="#">Edit/View Container</a>	<b>Inspections Info</b>			
	Inspection:		SPCC Case #: FRP ID #:	
	SPCC Inspection Date:		FRP Inspection Date:	
	Inspection Team:		SPCC Inspector Name: FRP Inspector Name:	
	Team Members:		Team Members:	
	SPCC plan review by:		FRP plan review by:	
	Date of review:		Date of review:	
	Facility Info		Select A Facility	
	Facility:			
	Name of Facility: EXXON CO USA 53562 DOWDEN SPRING LAKE			
	Latitude:		Longitude:	Source:
	Address/Location: 8321 LINE AVE			
	City: SHREVEPORT		County/Parish: CADDO	State: LA Zip: 71106
	Facility Contact:		Title:	
	Telephone Number:		Email:	
	Facility Owner:		Name of Owner/Operator:	
	Corporate Address:		City:	
	Corporate Contact:		State: Zip:	
	Telephone Number:		Title:	
	Email:			
	General Info:			
	Synopsis of Business:			
	How many			
	NAICS #:			

# FRP SPCC Inspections

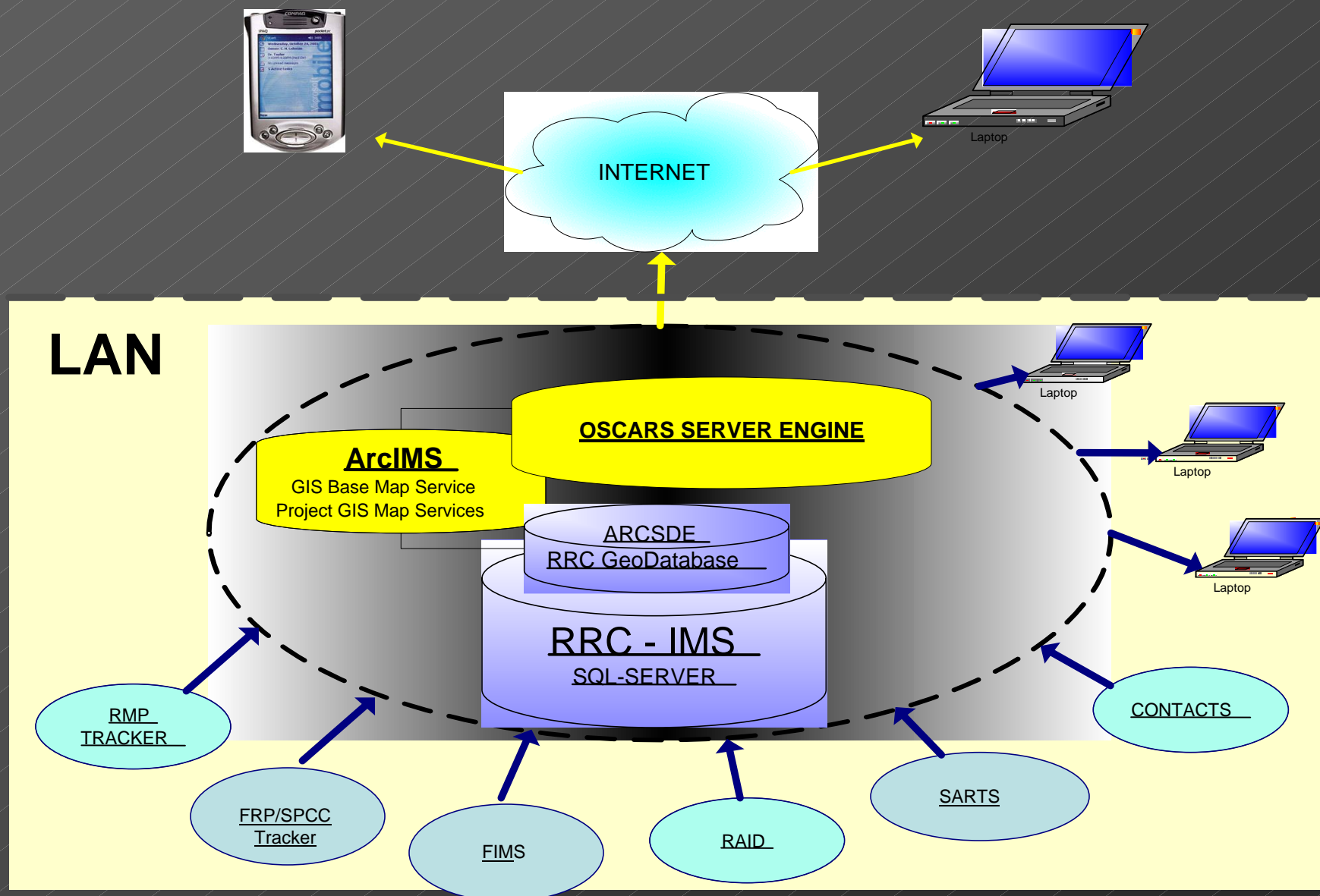
Home INSPECTION MENU <a href="#">View Inspections</a> <a href="#">Add New Inspection</a>	<b>Acknowledgement and Record of SPCC Inspection and Plan Review</b> <i>Bulk Storage Facilities</i>			
	Facility Info		Facility Info (Continued)	SPCC Plan
	Topics		Save	
CONTAINER MENU <a href="#">Add New Container</a> <a href="#">Edit/View Container</a>	<b>GENERAL REQUIREMENTS FOR SPCC PLANS 112.7 (a-d)</b>			
	<b>INSPECTIONS, TESTS AND RECORDS 112.7 (e)</b>			
	<b>PERSONNEL TRAINING AND DISCHARGE PREVENTION PROCEDURES 112.7 (f)</b>			
	<b>SECURITY (excluding oil production facilities) 112.7(g)</b>			
	<b>FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK (excluding offshore facilities) 112.7 (h-j)</b>			
	<b>FACILITY DRAINAGE 112.8 (b)</b>			
	<b>BULK STORAGE CONTAINERS 112.8 (c)</b>			
	<b>FACILITY TRANSFER OPERATIONS, PUMPING, AND FACILITY PROCESS 112.8 (d)</b>			
	<b>SUBSTANTIAL HARM CERTIFICATION 112.20 (e)</b>			

Home INSPECTION MENU <a href="#">View Inspections</a> <a href="#">Add New Inspection</a>	<b>Acknowledgement and Record of SPCC Inspection and Plan Review</b> <i>Bulk Storage Facilities</i>			
	Facility Info		Facility Info (Continued)	SPCC Plan
	Topics		Save	
CONTAINER MENU <a href="#">Add New Container</a> <a href="#">Edit/View Container</a>	<b>Memorandum Of Understanding</b>			
	Non-Transportation Related		Transportation Related	
	<input type="checkbox"/> EPA		<input type="checkbox"/> USCG <input type="checkbox"/> MMS <input type="checkbox"/> OPS	
	<b>Facility Type</b>			
	Onshore Oil		Offshore Oil	
	<input type="checkbox"/> Production <input type="checkbox"/> Drilling/workover		<input type="checkbox"/> Drilling, Production & Workover	
	Bulk Storage			
	<input type="checkbox"/> Refinery/Petrochemical		<input type="checkbox"/> Public	
	<input type="checkbox"/> Petroleum Distributor		<input type="checkbox"/> Commercial/Private	
	<input type="checkbox"/> Trucking/Transport		<input type="checkbox"/> Gas	
	<input type="checkbox"/> Contractor		<input type="checkbox"/> School/University	
	<input type="checkbox"/> Railroad		<input type="checkbox"/> Hospital	
	<input type="checkbox"/> Farm		<input type="checkbox"/> State	
	<input type="checkbox"/> Utilities		<input type="checkbox"/> Federal	
	<input type="checkbox"/> Aviation		<input type="checkbox"/> Local	
	Trustee/Native/American			
	<b>Applicable Storage Containers</b>			
	<input type="checkbox"/> Aboveground Storage Tanks		<input type="checkbox"/> Underground Storage Tanks	
	<input type="checkbox"/> Mobile/Portable Storage Units		<input type="checkbox"/> Drums	
	<input type="checkbox"/> Other Container		<input type="checkbox"/> Lagoons	
			<input type="checkbox"/> In-plant Piping	
	<b>Storage Functions</b>			
	<input type="checkbox"/> Transferring		<input type="checkbox"/> Distributing	
	<input type="checkbox"/> Processing		<input type="checkbox"/> Gathering	
	<input type="checkbox"/> Consuming/Using		<input type="checkbox"/> Operations	

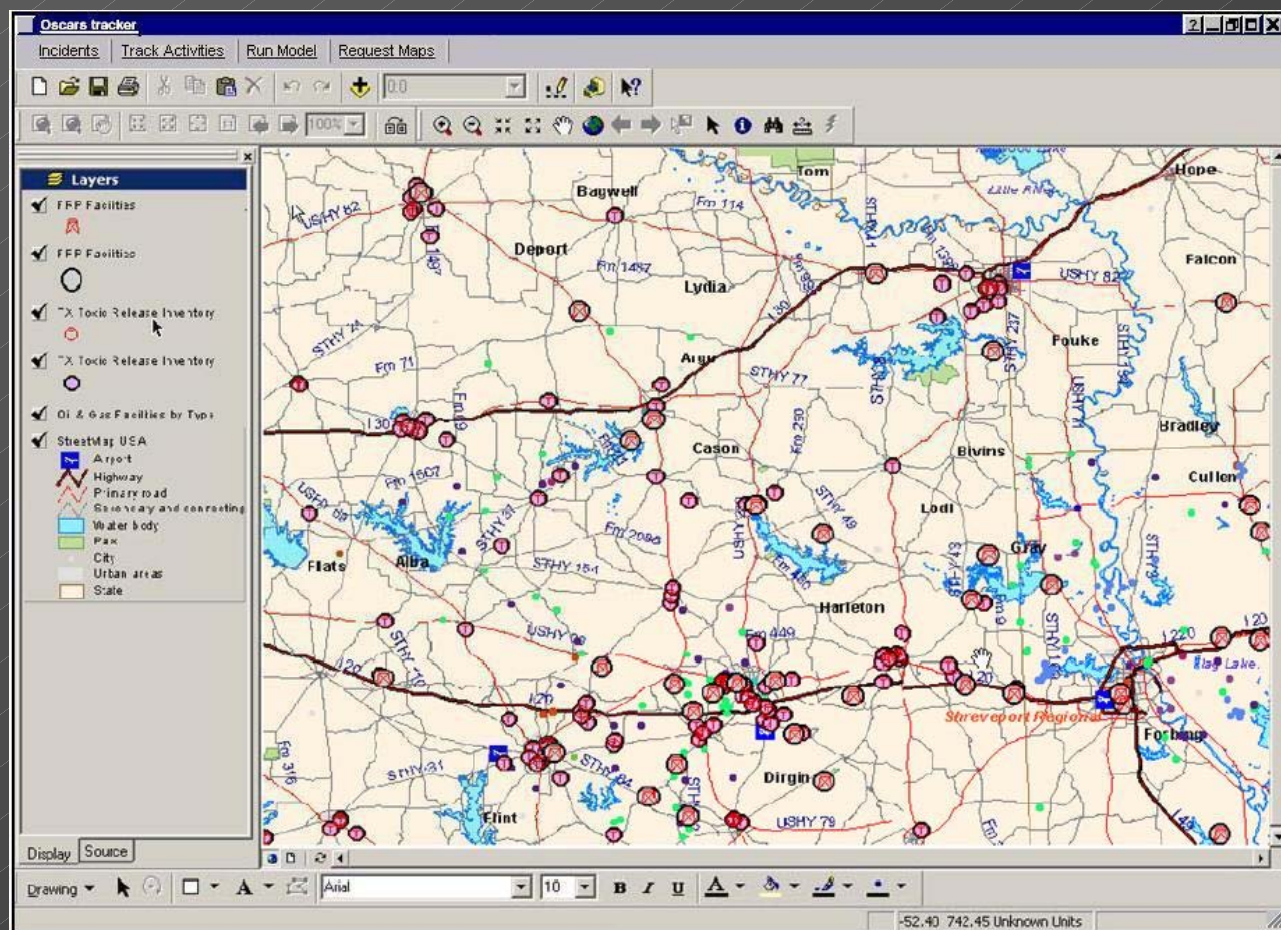
Home INSPECTION MENU <a href="#">View Inspections</a> <a href="#">Add New Inspection</a>	<b>Acknowledgement and Record of SPCC Inspection and Plan Review</b> <i>Bulk Storage Facilities</i>			
	Facility Info		Facility Info (Continued)	SPCC Plan
	Topics		Save	
CONTAINER MENU <a href="#">Add New Container</a> <a href="#">Edit/View Container</a>	<b>Plan</b>			
	Facility Startup Date:			
	<input type="checkbox"/> New Facility (after Aug. 16, 2002) 112.3			
	(a)			
	Is an SPCC Plan prepared? <input type="radio"/> Yes <input type="radio"/> No			
	Is an SPCC Plan available for review? (During normal working hours) 112.3(e)(2) <input type="radio"/> Yes <input type="radio"/> No			
	Is an SPCC Plan maintained on site? <input type="radio"/> Yes <input type="radio"/> No			
	(For at least 4 hours/day, but, excluding oil production facilities) 112.3(e)(1)			
	If this is a new facility, was the plan prepared prior to start-up? 112.3(b) <input type="radio"/> Yes <input type="radio"/> No			
	Is the SPCC Plan PE certified? 112.3(d) <input type="radio"/> Yes <input type="radio"/> No Date of Certification:			
	Name of Professional Engineer: <input type="text"/>			
	License Number: <input type="text"/> State: <input type="text"/>			
	Is the SPCC Plan reviewed every five years and is there an SPCC Plan review sign-off sheet? 112.5(b)			
	<input type="radio"/> Yes <input type="radio"/> No			
	Does the SPCC Plan indicate that management has approved the plan? 112.7			
	<input type="radio"/> Yes <input type="radio"/> No			
	Mgmt Personnel Name: <input type="text"/> Mgmt Personnel Title: <input type="text"/>			
	Have there been reportable spills at this Facility of more than 1,000 gallons? 112.4(a)			
	<input type="radio"/> Yes <input type="radio"/> No			
	Or, has the facility had two spills of more than 42 gallons in the past 12 months? 112.4(a)			
	<input type="radio"/> Yes <input type="radio"/> No			
	If YES to either, provide			
	Date of spill: <input type="text"/> Was plan submitted per 40 CFR 112.4? <input type="radio"/> Yes <input type="radio"/> No			
	Date of spill: <input type="text"/> Was plan submitted per 40 CFR 112.4? <input type="radio"/> Yes <input type="radio"/> No			
	Has there been any change of facility design, construction, operation or maintenance, which could affect the facility's potential for discharge? 112.5(a) <input type="radio"/> Yes <input type="radio"/> No If YES, use the			



# GIS Interface

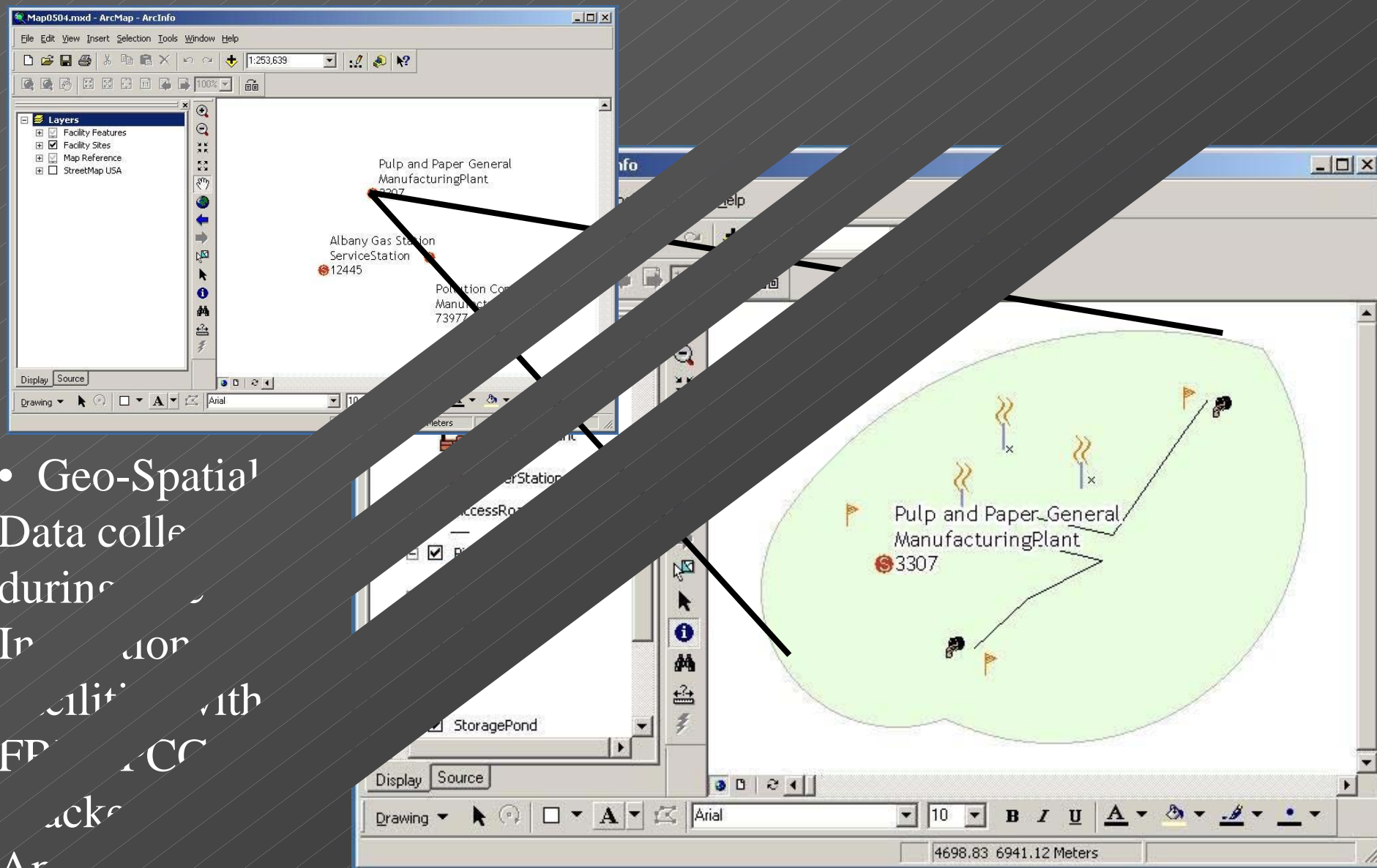


# OSCARS GIS Interface - Tracker



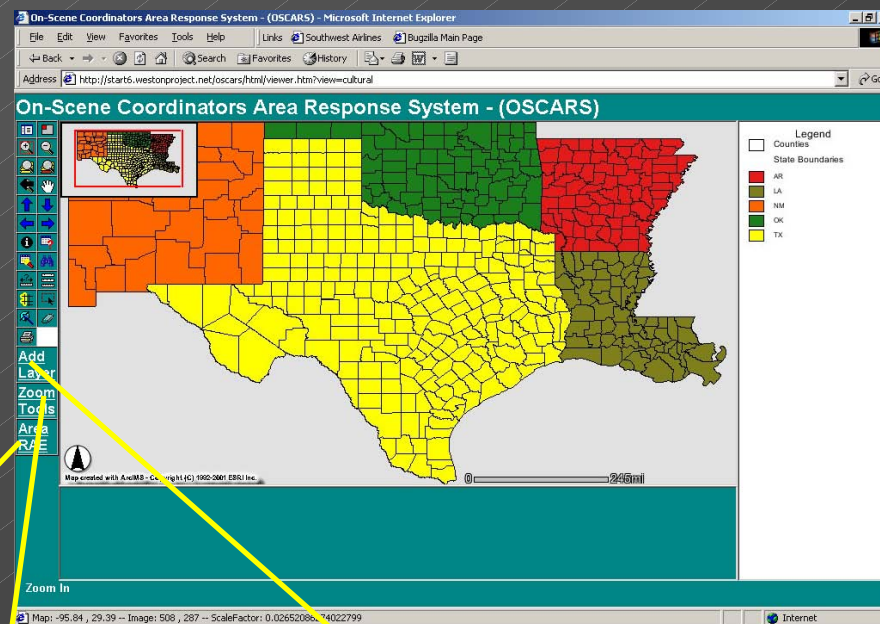
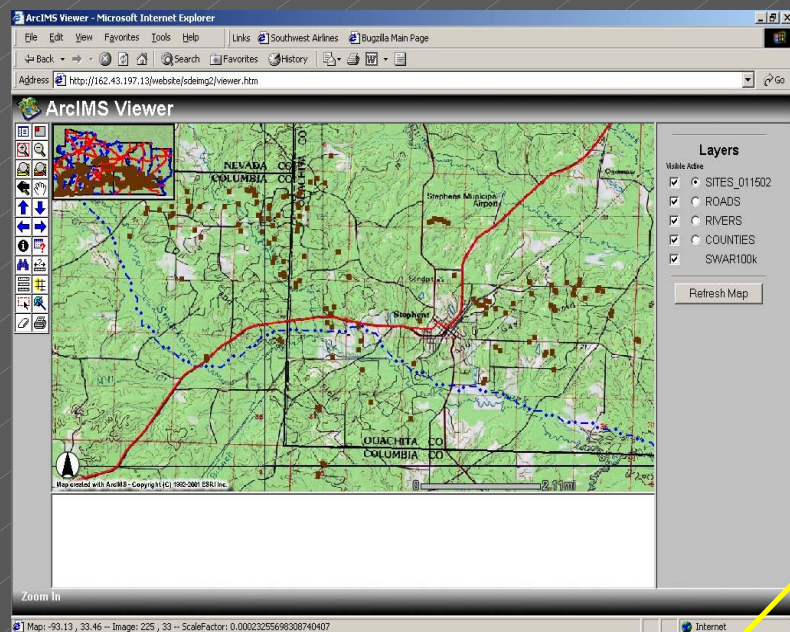
# OSCARS GIS Interface

- Geo-Spatial Data collection during Inspection with Facility with EPA OSCARS





# OSCARS – Interactive Mapping Site



View Realtime AreaRAE Data - Microsoft Internet Explorer

Address: http://alukind/oscars/arearae/view.asp

### AreaRAE Information

SHAPE	UNIT NUMBER	SERIAL NUMBER	UNIT STATUS	TIMESTAMP	IMPORT TIME	CL2	HCN	LEL	O2	VOC
2	Unit #2	S/N: 292 - 500513	Unit Status: OK	02:06:12:16:38:44	6/12/2002 4:38:44 PM	0.0 ppm	4.0 ppm	0.1 %	20.7 %	0.1 ppm
3	Unit #3	S/N: 292 - 500517	Unit Status: OK	02:06:12:16:38:44	6/12/2002 4:38:45 PM	0.0 ppm	3.3 ppm	1.7 %	21.1 %	0.0 ppm
6	Unit #6	S/N: 292 - 500514	Unit Status: OK	02:06:12:16:38:44	6/12/2002 4:38:45 PM	0.0 ppm	0.0 ppm	0.0 %	21.1 %	0.0 ppm

Refresh Manage AreaRAEs Close Window

Page Generated: 7/31/2002 2:23:42 PM

Zoom Tools - Microsoft Internet Explorer

Country: AR, ARKANSAS Zoom to County

Town: Abbeville, LA Zoom to Town

City: > 1 Mil. Abbeville Zoom to City

Zoom to ZIP

Latitude: Longitude: Zoom to Lat/Lon

Select a zoom method above.

Close Window

Add Coverage - Microsoft Internet Explorer

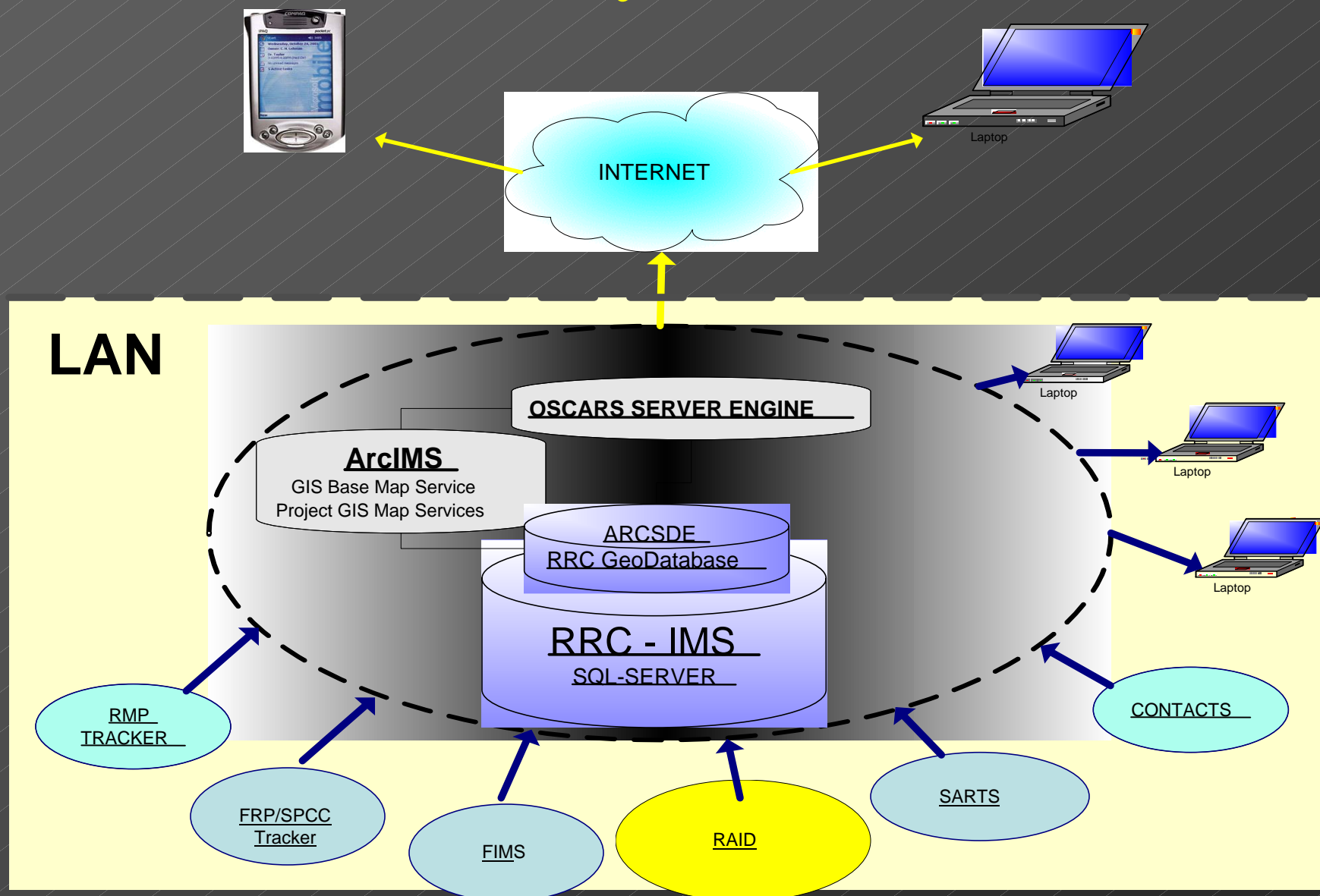
Coverage:

- Ammonia Producers
- Ammonia Suppliers
- Arkansas Toxic Release Inventory
- Clean-Up Contractors
- Dem Locations
- Digitized Pipelines
- Disposal Facilities
- Facility Response Plan (FRP) Facilities
- Federal Facilities (LA & TX)
- LA Toxic Release Inventory
- Louisiana National Priorities List (NPL) Sites
- New Mexico NPL Sites
- NM Toxic Release Inventory
- Oil & Gas Related Facilities
- Oklahoma NPL Sites
- Oklahoma Toxic Release Inventory
- PI facilities
- PI Pipelines
- Region 6 NPL Sites
- Resource Conservation and Recovery Act (RCRA) Site Locations
- Texas Landfill Locations
- Texas NPL Sites
- Texas Superfund Locations
- Texas Toxic Release Inventory

Add Coverage(s) Close Window

Select one or more coverages. Use Ctrl-click to select more than one at a time.

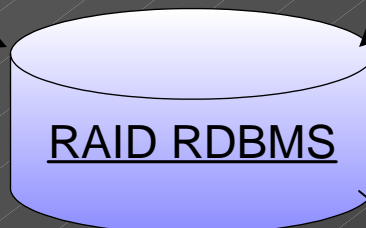
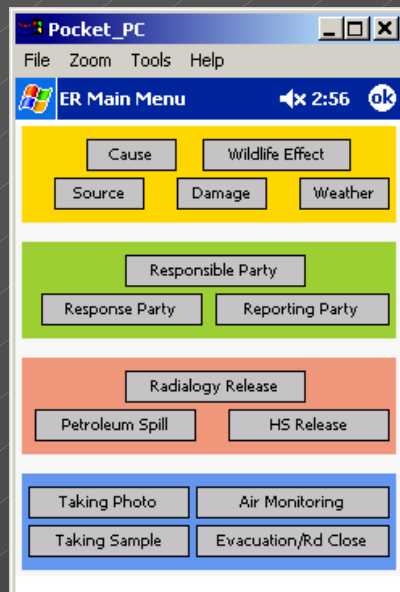
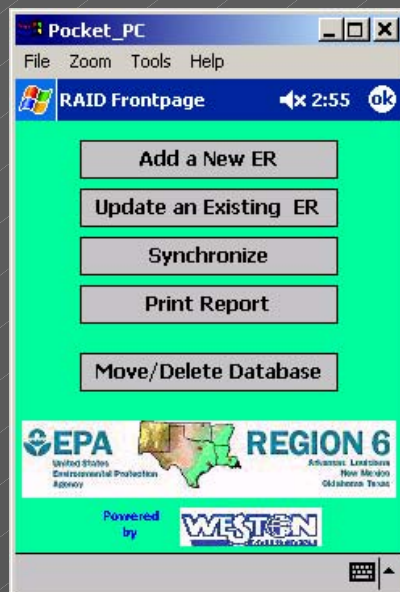
# Emergency Response Tracking System



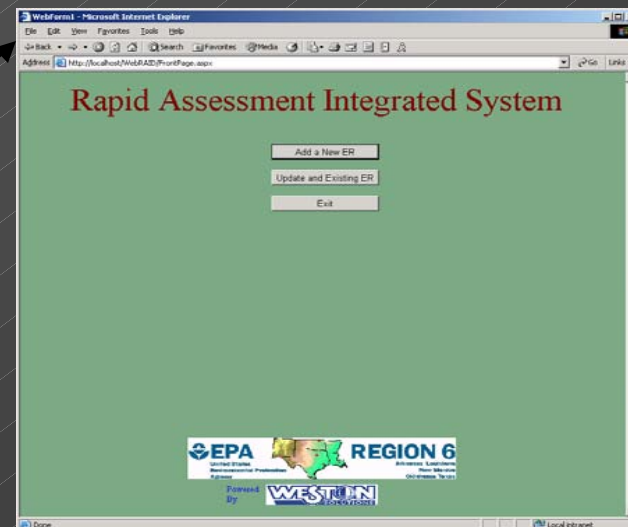
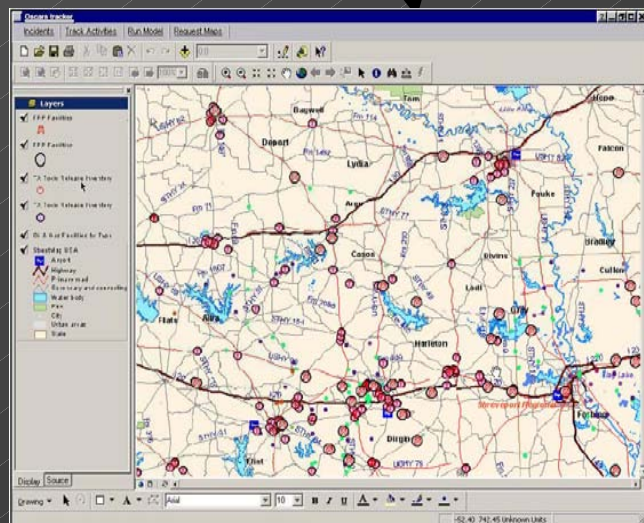
# Emergency Response EDMS

Mobile Applications

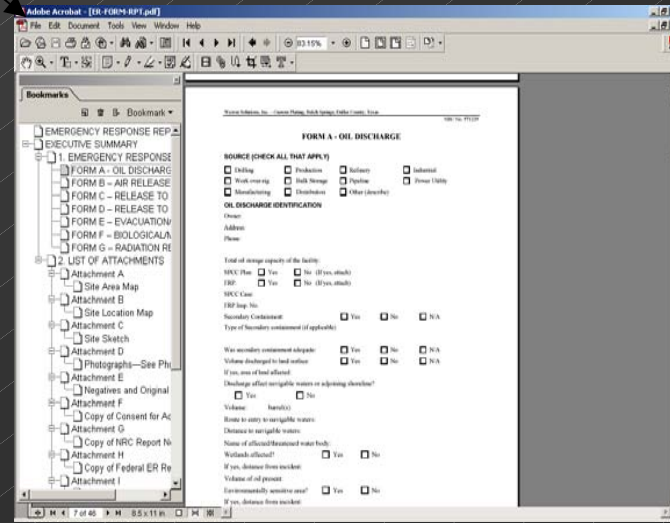
Secure Web Applications



GIS based Incident Tracking



Auto Generated Final Reports





# Emergency Response EDMS

- Reports are auto-generated in electronic format.
- Format consistent with Region 6 Electronic Deliverables Standard.
- Reports consistent with SDMS format.

Adobe Acrobat - [ER-FORM-RPT.pdf]

File Edit Document Tools View Window Help

79.28%

Bookmark

EMERGENCY RESPONSE REPORT

EXECUTIVE SUMMARY

1. EMERGENCY RESPONSE CHECK

FORM A - OIL DISCHARGE

FORM B - AIR RELEASE

FORM C - RELEASE TO SURFACE

FORM D - RELEASE TO SOIL

FORM E - EVACUATION/RELOCATION

FORM F - BIOLOGICAL/MEDICAL

FORM G - RADIATION RELEASE

2. LIST OF ATTACHMENTS

Attachment A

Site Area Map

Attachment B

Site Location Map

Attachment C

Site Sketch

Attachment D

Photographs—See PhotoTrack

Attachment E

Negatives and Original Photographs

Attachment F

Copy of Consent for Access

Attachment G

Copy of NRC Report No. 2

1. EMERGENCY RESPONSE CHECKLIST

PROJECT INFORMATION

Site Name	EPA TM	
EPA OSC	START-2 PM	
Incident Date	Time of Incident	
Incident Location		
Latitude	° N	Longitude ° W
Suspected Terrorist Activity? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Weather Conditions		
START-2 Activation Date	Time	Hours TDD No.

INCIDENT IDENTIFICATION NUMBERS

NRC No.	ERNS No.	
FPN No.	CERCLIS No.	
SSID No.	RCRIS No.	

REPORTING PARTY

Affiliation	
Name	
Address	
Phone Number	

DISCHARGER

Affiliation	
Name	
Address	
Phone Number	Facility ID

SOURCE (CHOOSE ALL THAT APPLY)

<input type="checkbox"/> Fixed Facility	<input type="checkbox"/> Railway	<input type="checkbox"/> Pipeline	<input type="checkbox"/> Vessel	<input type="checkbox"/> AST
<input type="checkbox"/> Air Transport	<input type="checkbox"/> Offshore	<input type="checkbox"/> Highway	<input type="checkbox"/> UST	

SOURCE DESCRIPTION (PROVIDE BELOW)

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06-01-07-0008.doc 4 of 46 8.5 x 11 in

# COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

## Disaster Occurs

Saturday, February 1, 2003  
8 a.m. Central Time

120 Weston Staff in field using 60 PDAs.  
STSR PDA application set to  
collect field data with digital cameras  
and GPS units.

Started photo and  
data uploading to  
Web applications.

Enhanced data  
loading application  
deployed.

Field  
Operations  
End.

Photo loading  
Scheduled to  
Continue until  
End of May.

Sat Sun Mon Tue Wed Thu Mon  
1 2 3 4 5 6 11

Feb.  
20

250 Weston Field Personnel Deployed  
250 PDAs Synchronized with Web  
server databases each night, uploading approx.  
2,000 debris points per night.  
EPA/START manages data for 3,000 total field  
personnel.

April  
30

May  
6

February

March-April

May

NASA official arrives to  
oversee data/photo loading

Lufkin Command  
Center Opens.

Custom Web Interface in use including  
ArcIMS® mapping system

START develops  
action plan, sets  
up field office.

START gets call for Response.  
TeamLink<sup>SM</sup> set up by 11 pm.

75,000 photos  
loaded into  
the database.

Weston continues  
To load approx.  
2,000 photos per day.

Weston managed data for FEMA, NASA, as well as the  
EPA during the Columbia incident and Weston continues to  
manage the data and perform field operations directly  
with NASA.



Technology @ WESTON



Configuration	
Config	
Disaster	<input type="button" value="Refresh"/>
<b>Internet</b>	
URL:	<input type="text" value="http://start6.westonproject.net/ssce/ssc"/>
User ID:	<input type="text"/>
Password:	<input type="text"/>
Proxy:	<input type="text"/>
<b>Publisher</b>	
Sever Name:	<input type="text" value="extranet6"/>
Database Name:	<input type="text" value="stsr"/>
Publication Name:	<input type="text" value="stsr_sqlce"/>
User ID:	<input type="text" value="stsr_ce"/>
Password:	<input type="text" value="*****"/>
<input checked="" type="checkbox"/> Use SQL Authentication	
<b>Subscriber</b>	
Subscriber Name:	<input type="text" value="ddpruitt"/>
Local Database Filename:	<input type="text" value="\\Program Files\\STS Recovery\\stsr.sdf"/>

# COLUMBIA DISASTER DATA RECOVERY CENTER

## ABBREVIATED ONLINE USER MANUAL

Columbia Recovery - Main Menu - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source Customize Link Address https://dm.westonproject.net/columbia/home.asp

### Columbia Recovery

#### Main Menu

**General**

- Web Hub
- View Map

**Update**

- Items
- Close Out Location

**View**

- Items
- Message from Christie Whitman

**Reports**

- Items

**Users**

**Search for Item to Edit**

EPA ID (number)  EPA TEAM:

Date Found  and

Comments:

EPA ID	EPA TEAM	Sampler	Date Found	Lat	Long
48000-LF-0002	NON-EPA	R. VAN WARI	2/18/2003	31.756617	-95.174
48000-LF11-0012	NON-EPA	KRACSUN	3/7/2003	31.849967	-95.240
48000-LF2-0026	NON-EPA	R. LADUE	2/18/2003 8:55:00 PM	31.8475	-95.338
48000-LF3-0011	NON-EPA	R. VAN WART	2/19/2003 7:48:49 PM	31.76455	-95.174
48000-LF7-0056	NON-EPA	DWAYNE CONKLIN	3/2/2003	31.5665	-94.632

**Item Details**

EPA ID

EPA TEAM

Date Found  12:25:00 AM

Location  -95.23186

Agency

Location Location

Status  UNCONFIRMED

Comments  wing structure

Save

Add or Edit Photos of this Item View This Item On Map

Update A Different Item

Search for Items

# COLUMBIA DISASTER D ABBREVIATED

## Close Out Items

Columbia Recovery - Main Menu - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View Source

Links Customize Links Address https://dm.westonproject.net/columbia/home.asp

### Columbia Recovery

#### Main Menu

##### General

- [Web Hub](#)
- [View Map](#)

##### Update

- [Items](#)
- [Close Out Location](#)

##### View

- [Items](#)
- [Message](#)

##### Reports

[Close Out Location](#)

[View Items](#)  
[Message from Christie Whitman](#)

[Reports Items](#)

[Users Manage Users](#)  
[View Logs](#)  
[Logout](#)

### Search for Location to Close Out

Please use the following search tool to identify locations that have been visited by EPA. Once you have found potential shuttle material, click the "Close Out" link to indicate that the location has been investigated.

Address:	<input type="text"/>		
FEMA ID:	<input type="text"/>	City:	All
ZIP:	All	County:	All
Command Post:	Nacogdoches ICP		
<input type="button" value="Search Outstanding Locations"/>			

[Printer-Friendly version of these results](#)

Close Out This Location	FEMA ID	Address	City	ZIP	Name	Call Back Number	Latitude	Longitude
<a href="#">Close Out</a>	STS107_23774		Lufkin		Mike Jones Representing International Paper	9366339630	31 42 08	94 58 40

Done

Internet

# COLUMBIA DISASTER D ABBREVIATED

View Photos

Columbia Recovery - Photo - Microsoft Internet Explorer

File Edit View Favorites Tools Help

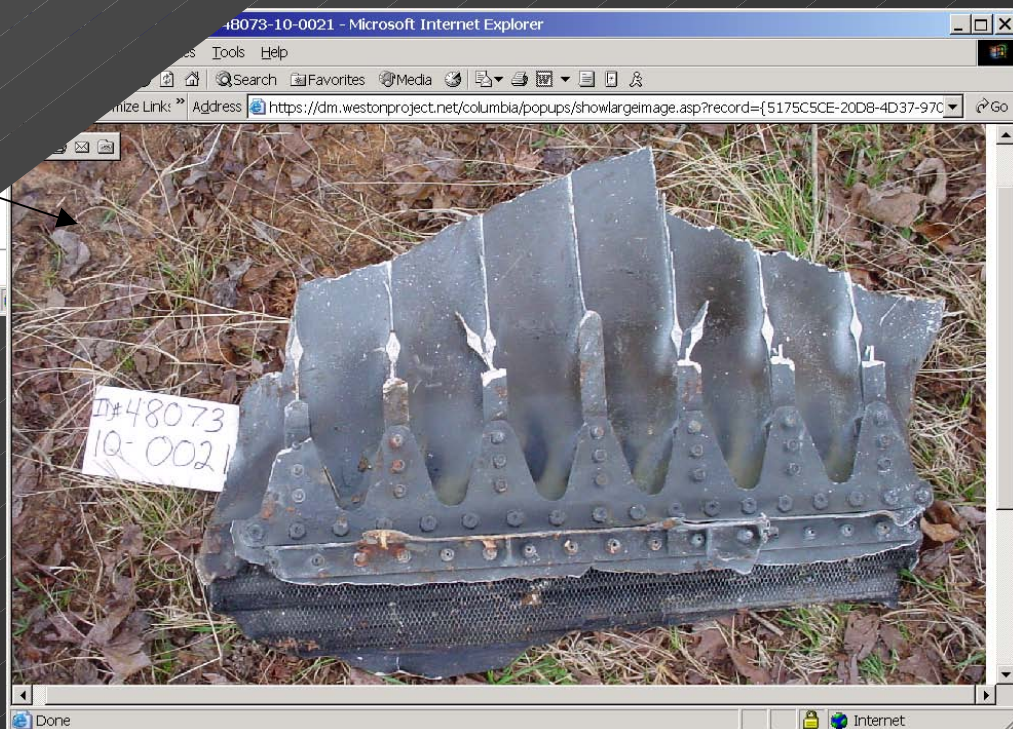
Back Forward Stop Search Favorites Media Print Mail News RSS

Links Customize Link: Address https://dm.westonproject.net/columbia/update/photoupdate.asp

## Columbia Recovery Photo

<b>General</b>	
Main Menu	
Web Hub	
View Map	
<b>Update</b>	
Items	
Close Out	
Location	
<b>View</b>	
Items	
Message from	
Christie	
Whitman	
<b>Recovery</b>	

<b>EPA Photo ID</b>	48073-10-0021
<b>Date Taken</b>	2/5/02
<b>Photographer</b>	
<b>Witness</b>	
<b>Description</b>	wing





## COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

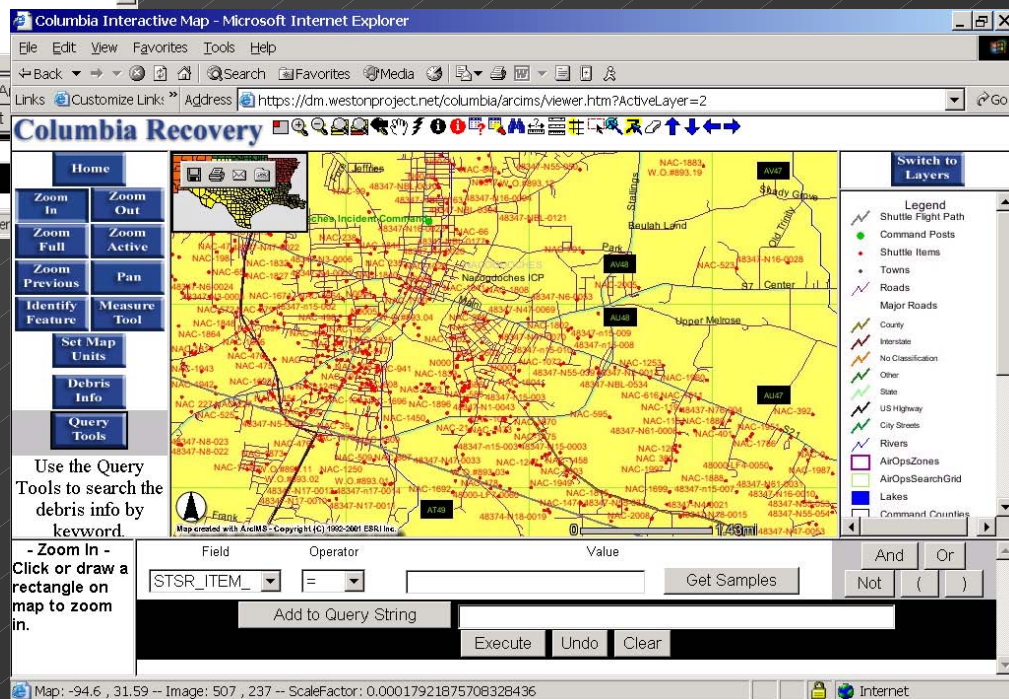
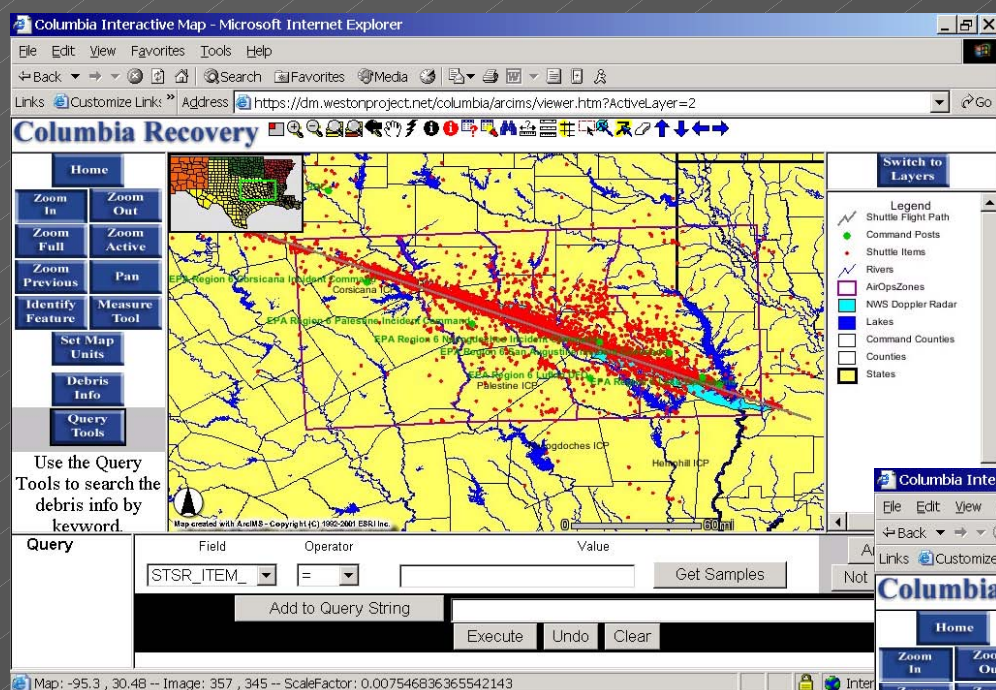
- Data Synchronization in the Lufkin Disaster Field Office.
- 250 PDA's per night had to be synchronized in 5 different field offices.





# COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Interactive Mapping with the ability to perform spatial queries. Key word searches for important debris items.



# COLUMBIA DISASTER DATA MANAGEMENT ABBREVIATED TIMELINE

Spatial Query Dialog and  
results for the keyword  
“wing”.

**Query Tools - Microsoft Internet Explorer**

**Query Map**

**Comments:**  
Enter keyword(s) to search for debris.

Wing

Search Comments

**EPA ID:**  
Enter part or all of an items EPA ID

EPA ID

Search EPA IDs

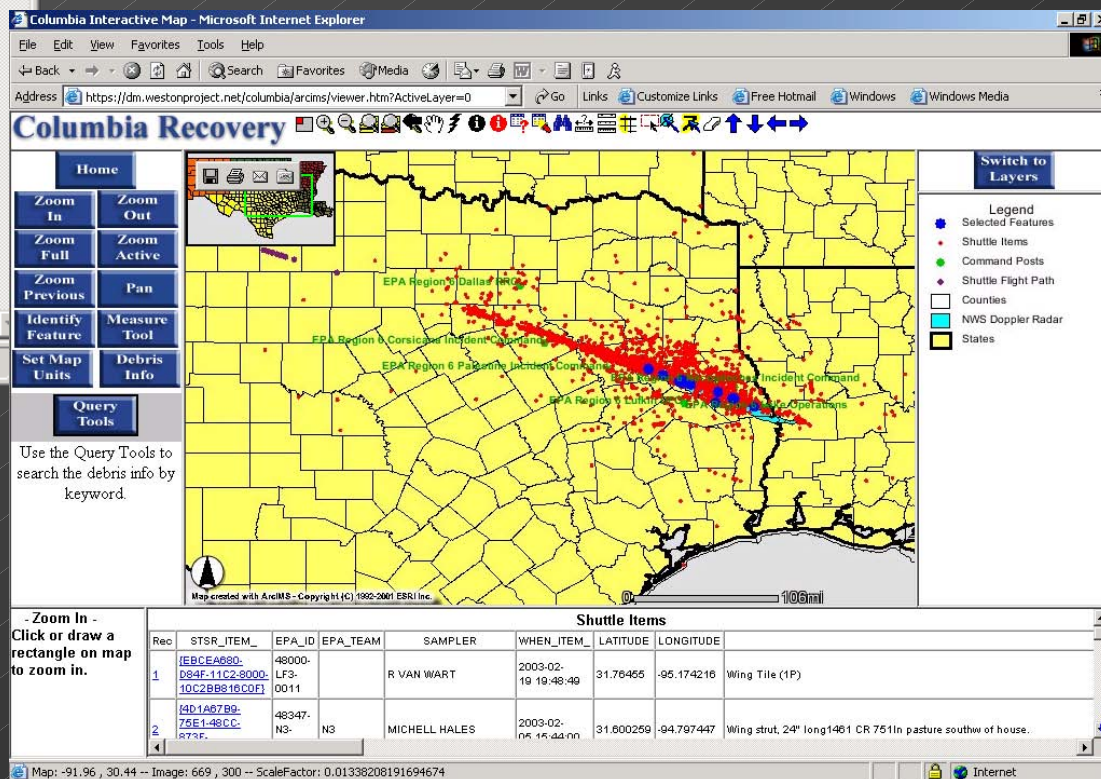
Zoom to Selected Items

Clear Highlighted Search Items

Close Window

Done

Internet





# COLUMBIA DISASTER D ABBREVIATED



Tank

Ground Impact





# COLUMBIA DISASTER D ABBREVIATED

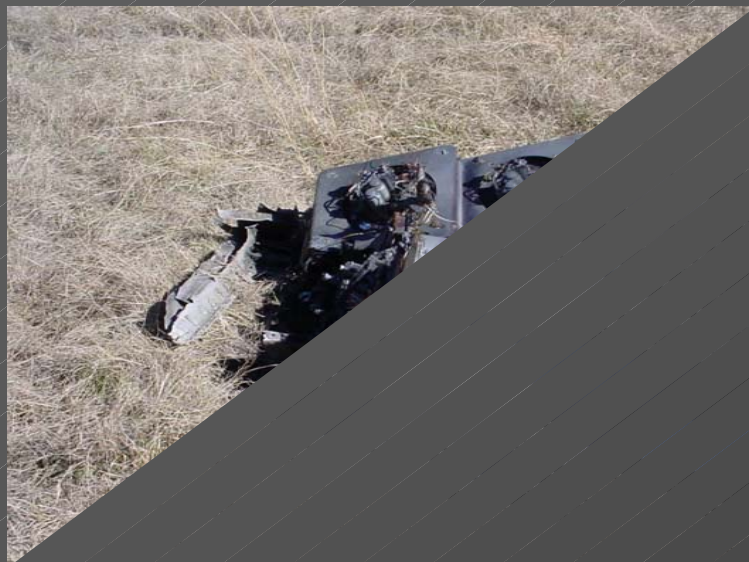


Pressure Vacuum Tank



# COLUMBIA DISASTER DOCUMENT

## ABBREVIATED



Nose Cone

